


CITY OF MOUNTAIN VIEW
MOUNTAIN VIEW, CALIFORNIA
ADDENDUM NO. 2
TO CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR
FIRE STATION NO. 5, PROJECT 09-32

The following changes, additions, modifications and corrections hereinafter set forth shall apply to the Contract Documents, Plans and Specifications for the project and shall be made a part hereof and subject to all the requirements thereof, as if originally specified and/or shown.

NOTICE TO BIDDERS:

1. Two copies of this Addendum No. 2 are provided.
2. **ATTACH ONE COMPLETED AND SIGNED COPY OF THE ADDENDUM TO YOUR BID PROPOSAL WHEN SUBMITTING BID AND RETAIN THE OTHER COPY FOR YOUR FILES.**
3. This Addendum No.2 contains this page, plus attachments (Comprising of 35 pages).
4. **Bids will be received by the City Clerk until 2:00 p.m. on Thursday May 27, 2010.**
5. This Addendum includes the following attachments:
 - BSA Bulletin, Items 1-51 dated 5/25/2010; 9 pages.
 - Revisions to Project Drawings: Sketches ASK-3 & ASK-4; SSK-4 through SSK-6; and ESK-5 through ESK-22; 23 pages.
 - Revised Specification Section 08 36 13, Sectional Doors; 2 pages.

Signature of Bidder



Michael A. Fuller
Public Works Director

Date

5/25/10

Date

cc: PWD, DFC (A), BC—DelCarlo, DE, CE, SPM- Fallah, all plan-holders, Turner Construction, Fire Dept Committee, file 09-32

CITY OF MOUNTAIN VIEW
MOUNTAIN VIEW, CALIFORNIA
ADDENDUM NO. 2
TO CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR
FIRE STATION NO. 5, PROJECT 09-32

Changes to Construction Drawings

Item 1.

Refer to sheet C4.0

Under “Legend”, delete the description for Concrete Pavement and replace with “CONCRETE PAVEMENT (6” PCC WITH #4 BARS @ 18” O.C.E.W. REINFORCEMENT/ 6” CLII AB/12” NON-EXPANSIVE FILL) SEE LANDSCAPE PLANS FOR FINISH”.

Item 2.

Refer to sheet C4.1

Revise the paving note at sections 1, 2 & 5 to delete “6” PCC” and replace with “6” PCC WITH #4 BARS @ 18” O.C.E.W. REINFORCEMENT”.

Item 3.

Refer to Sheet C4.0 and A1.01

Revise the grade contours at the existing berm to allow the cantilever gate to slide to a fully open position; provide 1’ horizontal clearance. Place new sod to match existing and patch existing irrigation as required.

Item 4.

Refer to sheet C5.0

Revise keynote 18 to delete “and piping” and add “The contractor shall coordinate their scope with the connection and installation of gas piping by PGE”.

Item 5.

Refer to sheets GP-1 thru 8

Add the following note each sheet “The scope described for the methane venting and gas detection system shall conform to the standards and requirements of specifications sections 22 00 00, 23 30 00 and 26 27 00. The gas detection system installer shall be acceptable to the equipment manufacturer and shall have a minimum 5 years experience installing systems similar in scope and size to this project”.

Item 6.

Refer to sections 3/A3.20 and 2&4/A3.21

At Tower Attic Level delete keynote F2 and replace with F3.

Item 7.

Refer to sheets A4.01 & A4.02

At room numbers 108 WC and 201B, 202B, 206B, 207B Bathroom, provide FRP1 paneling at all wall surfaces, to match the height indicated on the drawings.

Item 8.**Refer to sheets A5.02 and A5.04**

At room 107 Decon/Med Stor, provide FRP2 paneling at all exposed wall surfaces to match the height indicated on the drawings.

At room 119 Special Ops Storage, provide FRP2 paneling at all exposed wall surfaces, excluding the shower/wash area, to match the height indicated on the drawings.

Item 9.**Refer to interior elevations 1 & 2/A5.08**

At the end wall, along gridlines 2 & 5 between gridlines F & C, delete references to SS wall base, replace with RB2.

Item 10.**Refer to sheets A6.01 & A11.01**

At A6.01, rooms 104 Electrical & 105 Mechanical, provide Spray on Acoustical Treatment, as specified in section 09 24 00, at the exposed metal deck ceiling, 1 ½" thick.

At A11.1, Room Finish Schedule, "Ceiling" column, rooms 104 & 105: delete "Exposed" and replace with "AC CP".

Item 11.**Refer to 1/A8.15**

Revise the length of the generator enclosure, slab configuration and site work along the edge of the enclosure as shown on ASK-3.

Item 12.**Refer to 1/A8.16**

Revise the monument sign details as shown on ASK-4, to accommodate concealed lighting.

Item 13.**Refer to detail 8/A8.12**

Delete the note "See spec". The cast iron rainwater shoe shall be Neenah Foundry Company model R-4926 or equal. Paint to match rainwater leader.

Item 14.**Refer to details 1/A8.21 and 5 & 6/S7.3**

At detail 1/A8.21 add a note "Refer to 5 & 6/S7.3 for typical structural attachment".

Item 15.**Refer to sheets A9.01 & A11.01**

Revise A9.01, Partition General Note 9 to add: "At shower enclosure install the backer board at the ceiling and extend backer board to the full height of the walls".

Revise A11.01 Materials & Finishes Schedule, keynote TBB, Comments column, add "Install behind all SS panel finishes and at walls and ceilings within the shower compartments. Provide Type X where required for fire resistance".

Item 16.**Refer to sheet A11.01.**

Revise Materials and Finishes Exterior Schedule, keynotes MPL and MSF, "Description" column, delete "Una-Clad UC 500 Flush Panel;" and replace with "Una- Clad Series 3000 Wall Panel System".

Item 17.**Refer to sheet A11.02, Door Schedule**

Revise Door 112 Turnout, "Mat" column to delete reference to "SCWD" and replace with "Refer to specification section 08 11 15 for product information". Revise glazing type from Type 10 to be Type 2.

Revise Door 121B Exercise, "Comments" column, to add: "Window Shade, Type 2 w/ 3% openness factor, include manufacturer's Guide Track accessory."

Item 18.**Refer to sheet A11.03, Window Schedule**

Revise Window 102 Glazing Type from Type 20 to be Type 22.

Revise Window 202B to include Window Covering, Type 1 w/1"% openness factor, mounting detail 6/A9.06.

Revise Windows 109, 200C, 200D, 200E, 200F Glazing Type from Type 20 to be Type 23.

Revise Window Type N detail references from A9.09 to be A9.08.

Revise the "Comments" column to provide tempered glazing at the following locations: at Window 109: all lites; at Windows 200F & 200 D: lower lites.

Item 19.**Refer to sheet S1.1**

Revise General Notes, Concrete Work as indicated on SSK-6.

Item 20.**Refer to sheet S8.1**

Revise detail 2 as indicated on SSK-4.

Revise detail 4, slab, reinforcing and base, as indicated on SSK-5.

Item 21.**Refer to sheet M1.1 Fan Coil Unit Schedule**

Revise the schedule to add "At fan coil unit numbers FC-2 thru FC-8, contractor shall provide and install air monitoring stations, Air Monitor Corporation, or equal, Model-VoluFlo OAM-S1S with 6" x 6" sensors, alarm output to pilot light at thermostat, transducer, monitor/controller, and transformer. Set to initiate alarm (pilot light) when outside air flow falls below 95% of design minimum airflow if system is running. Pilot light to indicate "low outside airflow". Provide dedicated power supply to each unit."

Item 22.**Refer to plan detail 1/P3.1**

At Rm 115 Kitchen, double bowl kitchen sink and the island sink, revise note 12: delete “install foot pedal valves. Install swing down eyewash”.

Item 23.

Refer to sheets E4.2 & P3.1

At plan detail 2/E4.2 Relocate Hot Water Dispenser, keynote item 17, to the Kitchen Island sink where it is shown on plan detail 1/P3.1 by keynote item 25.

Item 24.

Refer to E0.2 Luminaire Schedule

Sketch ESK-05: Light fixture LB1 added.

Item 25.

Refer to E1.1 Site Plan - Electrical

Sketch ESK-06: Feeders added to note 1 for remote generator load bank. Note added for flagpole light. Notes 32 and 33 added

Sketch ESK-07: Remote generator load bank added. Note 4 leader line adjusted at secondary service conduits.

Sketch ESK-08: Generator enclosure revised for larger generator footprint.

Sketch ESK-09: Flagpole lights revised.

Item 26.

Refer to E2.2 Second Floor Plan – Lighting

Sketch ESK-10: Clarification to drawings, two wall sconces (FB2) removed as they are indicated on drawing E2.1.

Item 27.

Refer to E4.1 Partial Plans – Electrical

Sketch ESK-11: Notes revised.

Sketch ESK-12 & 13: Generator mounted load bank replaced with a remote generator load bank, which is to be located in the main electrical equipment yard. Note added for housekeeping pad to be placed in front of metering section.

Sketch ESK-14 & 15: Generator footprint revised. Generator enclosure revised. Reference to Structural drawings for slab/foundation added. Receptacle relocated.

Item 28.**Refer to E5.1 Single Line Diagram**

Sketch ESK-16: Generator load bank revised from radiator mounted to a remote mounted.

Feeders and controls added.

Item 29.**Refer to E5.5 Riser Diagram Electrical**

Sketch ESK-17: Generator load bank specification added. This specification replaces the radiator mounted load bank in the generator specifications.

Sketch ESK-18: Generator remote load bank added.

Sketch ESK-19: Load bank control interconnection diagram added.

Item 30.**Refer to E7.2 Details**

Sketch ESK-20: Generator mounting detail revised.

Sketch ESK- 21: Detail 3/E7.2 (Generator pad detail removed) and replaced with new detail for Monument Sign Lighting. Add the following note: "Provide an allowance for 3 exterior light fixtures focused on the sculpture at the monument sign, type MD1, in ground mounting with concrete mow collar. Fixtures are to be connected to monument sign time clock."

Item 31.**Refer to 1/E7.5 Details**

Delete detail 1/E7.5 for Ground Mounted Uplight At Lawn.

Item 32.**Refer to E1.2 Electrical Site Plan**

Demolition/Relocation:

Sketch ESK-22: Note on PG&E conduits changed from "Secondary" to "Primary."

Changes to Specifications**Item 33.****Refer to section 01 35 20 Article 1.05 Submittals**

Revise to include the following additional minimum GBCI documentation requirements.

Revise article H.1 Credits 2.1 & MR 2.2, to add item c: "Provide (in order to create a completed Submittal Template) data for all construction waste generated as a result of the development of this project. This must include a general description of each type/category of waste generated listed separately by type; location of receiving agent (recycler/landfill) for each type of waste; quantity of waste diverted and quantity of waste landfilled (by category) in tons or cubic yards. Provide detailed supporting documentation including waste diversion reports, weight tickets, etc. for waste diverted or landfilled. Provide a copy of the project's Construction Waste Management Plan and any related specifications sections requiring compliance with this plan. Also, provide a narrative describing in detail how the project-specific Construction Waste Management Plan was implemented throughout the construction process."

Revise article H.3 Credits MR7 & ID 1.4, to add item c: “Provide (in order to create a completed Submittal Template) the chain-of-custody (COC) numbers for all FSC certified wood products and the vendor invoices for all wood-based components. Each vendor invoice should conform to the following requirements: each wood product must be identified on a line-item basis; FSC products must be identified on a line-item basis and must be identified as "FSC Pure," "FSC Mixed Credit," or "FSC Mixed [NN]%" ; the value of each line item must be shown; and the vendor's chain-of-custody (COC) number must be shown on any invoice that includes FSC products.”

Revise article H.4 Credit EQ 3.1, to add item c: “Provide (in order to create a complete Submittal Template) all of the required data for the filtration media used while operating the air handling units during construction and replaced immediately prior to occupancy. Provide photographs showing all (min of 5 types) implemented IAQ measures. The photographs should be annotated to indicate the IAQ measure depicted and the general location of the photograph.”

Revise article H.5 Credit EQ 3.1, to add item c: “Provide upon execution a detailed narrative that includes specific data about the duration, temperature, relative humidity and air flow of the building flush-out procedures. Provide supporting documentation (trending reports, calculations, etc.) showing the temperature and relative humidity levels recorded during the flush-out procedure, as well as the actual volumes of outdoor air provided during the flush-out.”

Item 34.

Refer to section 04 72 00

Revise article 1.03 to add item D: “Architectural precast concrete units typically specified under section 03 45 00, will be considered as a product substitution, provided that the product meets the specified design intent and project requirements”.

Item 35.

Refer to section 05 12 00

Revise Part 1.02B to reference Section 05 50 00 - Metal Fabrication

Revise Part 2.01E to reference Section 09 90 00 - Painting and Coating.

Revise Part 2.04C to reference Section 09 90 00 - Painting and Coating.

Delete Part 1.04E and replace with “AESS as described in article 1.03 A, item 4 is not referenced for this project. All exposed structural steel members shall have uniform bolting patterns and shall be cleaned and painted per section 09 90 00”.

Revise Part 1.05E to delete “and to meet the requirements of AESS”.

Item 36.

Refer to section 06 41 00

Revise article 2.01 J, item 2.e, Hinges: delete “as selected by the architect or as indicated:” and replace with “Haeefele or equal”.

Revise article 2.01 J, item 2.g, Shelf Hardware: delete “As selected by the architect or as indicated:” and replace with “Typical: Knappe & Vogt 345 series shelf support. At Workshop provide Knappe & Vogt 233 series standard w/256 series supports.”

Revise article 2.04B to add “At Workshop only”.

Item 37.**Refer to section 06 64 00**

Revise Article 3.03B item 2: delete “where indicated on drawings” and replace with “at all FRP 1 locations. The butted joints shall be located on an inconspicuous score line and sealed per manufacturer’s instructions to match the score line.”

Item 38.**Refer to section 07 61 00**

Revise Article 1.06 C to include the following: “Contractor shall provide the specified product manufacturer’s 25 year Red Shield Medallion Warranty for a weather tight system and the metal panel finish”.

Delete Article 2.02B item 1 and replace with:

- “1. Product as manufactured by Grace Construction Products, “Grace Ultra”; CETCO, “Strongseal SA”, Firestone “Clad-Guard SA or equal ”.
2. The roofing underlayment is required to conform to the requirements necessary to provide the roofing watertight warrantee specified in 2.02B.”

Item 39.**Refer to section 07 62 00**

Delete article 2.01 C and replace with “Self Adhered Flexible Flashing: as specified in section 07 65 00.

Item 40.**Refer to section 08 36 13**

Delete the entire section dated “4.13.10 BID SET”. Replace with new section dated “4.13.10 BID SET; Addendum No 2 dated 5.24.10”.

Item 41.**Refer to section 08 35 13**

Revise article 2.04 D to add item 6: “Provide auxiliary contacts for the interface of the folding doors and mechanical equipment”.

Delete article 2.04 H and replace with “Radio controls: Provide 1 radio receiver and 3 remote per door”.

Item 42.**Refer to section 08 80 00**

Revise article 2.02 Materials to add item b.12: “Glazing Type 23 Sealed Insulating Glass Units: Preassembled units composed of the following:

- a. Outboard Lite: “PPG Solexia Glass with Solarban 70XL on Surface 2”, tempered where required.
- b. Air Space: 1/2-inch.
- c. Inboard Lite: Type 1 or Type 2, tempered where required”

Item 43.**Refer to section 09 51 00**

Revise article 2.02B item 5 Edge Moldings: delete “Axiom” and replace with “standard Prelude system Angle Molding”.

Item 44.**Refer to section 09 68 00**

Revise article 2.01A: delete “Explorer” and replace with “Refer to sheet A11.01, Materials and Finishes Schedule for the color and style”.

Revise article 2.02 A: delete “recycled polypropylene” and replace with “nylon”.

Item 45.**Refer to section 10 26 00**

Delete article 2.03: there are no Plastic Bumpers in the project scope.

Item 46.**Refer to section 11 30 00**

Revise article A2.01 A as follows:

Item 1: Delete “Kitchen Aid Architect Series Model KUIS 185 SS” and replace with “Kitchen Aid Architect Series Model KBLS20EVMS, with automatic icemaker and interior water dispenser”

Item 2: Delete “Icemaker”— a icemaker appliance is not in the project scope.

Item 3: Delete “Gas Range: 6 burners, griddle, 2 ovens, electronic ignition, quantity 1, as manufactured by Wolf, Model R486G” and replace with “Gas Range: 6 burners, quantity 1, as manufactured by Wolf, Model DF366”.

Item 4: Delete entire item and replace with: “Range Hood and Exhaust: Stainless steel, 24 inches deep by 36 inches wide, as manufactured by Wolf, Pro 24-Inch Deep Wall Ventilation Hood, Model PW362418, quantity 1. Include 38-inch high stainless steel backsplash with racks, 36-inch wide stainless steel duct cover to soffit, and horizontal discharge kit. Refer to M2.1 for exhaust fan.”

Item 5: Delete: “as manufactured by GE Appliances”, and replace with “KitchenAid Model KHHC209OS, recirculating, quantity 1”.

Item 7: Revise the quantity from 1 to be 2.

Item 47.**Refer to section 12 21 00 & Table of Contents page iv**

Delete the entire Window Blinds section there are no window blinds in the project scope.

Item 48.**Refer to section 12 24 00**

Revise Part 2 Products as follows:

Article 2.01A, Item 1: delete “Electric: Mecho Shade Systems, Inc., “MECH/5 Double Shades”, or equal.”, and subsequent references. There are no electrically operated window shades in the project scope.

Article 2.02A Shade Material: delete the entire article and replace with the following:

“Shade Material

1. Type 1: Mecho Shade Systems Thermoveil 900, 1% openness factor, color: #0908 Shadow Green.

2. Type 2: Mecho Shade Systems Thermoveil 1000, 3% openness factor, color: #1008 Shadow Green.

3. Refer to A11.02 Window Schedule and A11.03 Door Schedule for locations.

Article 2.02B Accessories: add “At door mounted locations provide manufacturer’s 7/8” x 1 1/16” Guide Track to hold the shade & hem bar tight to door surface”.”

Item 49.

Refer to section 22 00 00

Revise article A2.01K as follows:

Item 5a (2) Upstairs Faucet: add “Koehler low flow aerator 1068613-CP, 1 gpm”.

Item 8a: delete entire item and replace with “Symmons Temptrol, or approved equal, model 96-500X-B30-L-V pressure balancing mixing valve with adjustable stop screw balancing pistons, integral stops, lever handle, and integral volume control. Oxygenics #630 or equal, 1.5 gpm (maximum flow) shower head with arm and flange. Polished chrome finish.”

Add item 10: “Pot Filler Faucet: Fisher #5730, Chicago Faucet # 515-CP, or equal pot filler faucet with double jointed spout, shut-off at outlet and integral wall flange. Polished chrome finish. Mount to the left of and above range.”

Item 50.

Refer to section 32 31 00

Revise article 2.05 to add item F: “Controller shall interface with radio receiver and remote pushbutton operators specified in sections 08 35 13 and 08 36 13.”

Bid Questions

Item 51.

Question

Addendum 1, Item #1 calls out what the NEW additive alternate is to be. How is this to be added to the bid form? Is a new form to be issued? Please clarify.

Response

Refer to the language in Addendum 1, Item #1 “The lump sum price for Additive Alternate No. 3 shall be listed where indicated on the cover of Addendum 1”. It will not be added to the bid form and a new bid form will not be issued.

SHIFT (E)
IRRIGATION AS
REQUIRED TO
AVOID FOOTING
ADJUST TO AVOID
OVERSPRAY AT
WALLS AND PUBLIC
SIDEWALK

MAINTAIN MIN 2"
VERT CLEARANCE
BETWEEN WEEP
HOLES & ADJACENT
GRADE

REVISED ENCLOSURE LENGTH
25'-8"

PATCH SOD TO
MATCH (E) LAWN,
SLD

36" MULCH STRIP
W/ HEADER SLD

REVISED DISTANCE
TO GRIDLINE
7'-6"

COORDINATE
UTILITY LOCATIONS

OUTLINE OF
GENERATOR
REF ESK-08

MAINTAIN CLEARANCE
BELOW EQUIPMENT
FOR DRAINAGE

Slope $\frac{1}{8}/12$

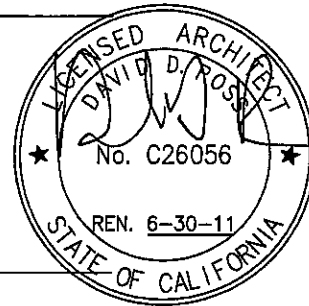
STRUCTURAL SLAB
REF SSK-4

CONC, PAVING SLD

COORDINATE
UTILITY LOCATIONS

APPROX EDGE OF
FOOTING

REFER TO 1/A8.15 FOR
ADDITIONAL INFORMATION



BSA ARCHITECTS



Bull Stockwell Allen
A California Corporation
501 Folsom Street, Fourth Floor
San Francisco, CA 94105
415-261-4720

MOUNTAIN VIEW FIRE STATION No. 5

Title: GENERATOR ENCLOSURE REVISIONS

Dwg. Ref.: A8.15

Job Number:

BSA 20808

Issued As:

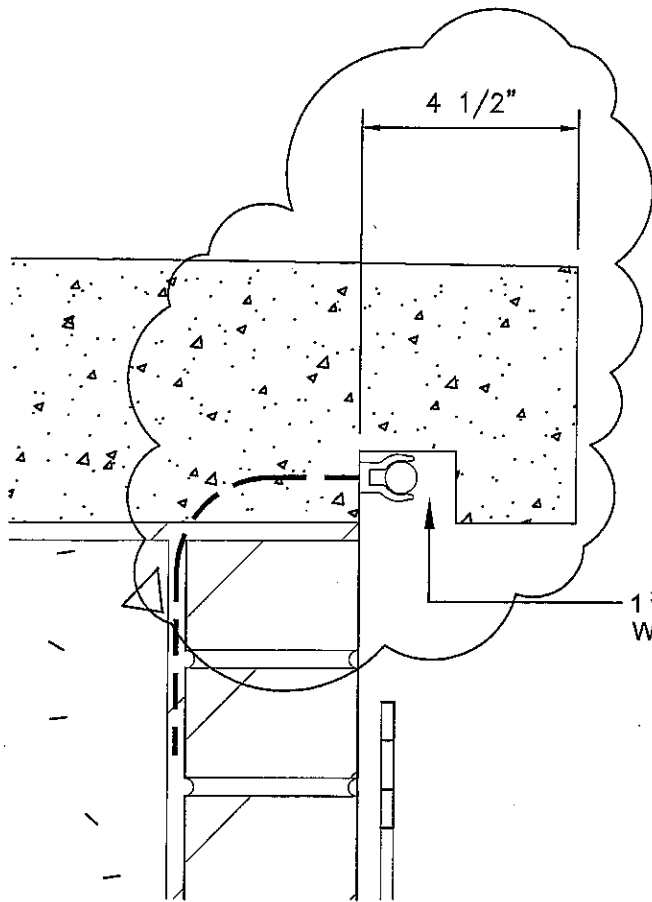
ADDENDUM 2

Sketch Number:

ASK-3

Date:

5.21.10

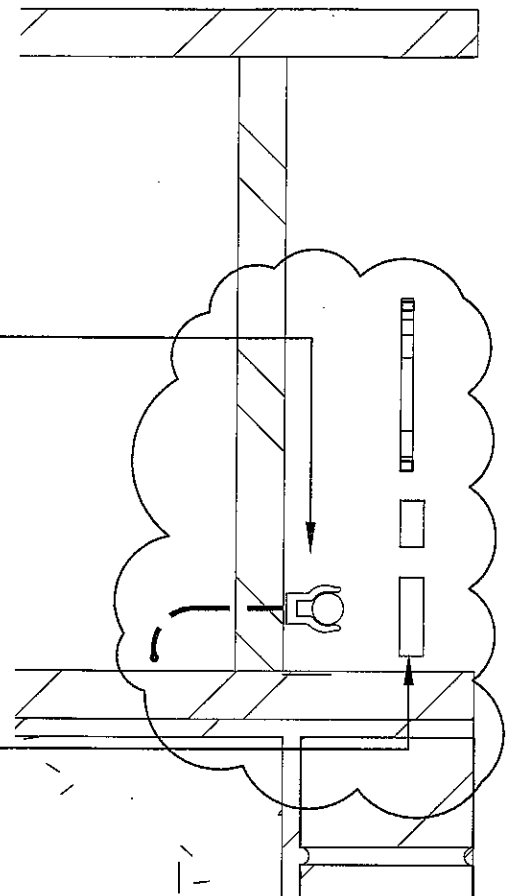


CONTINUOUS LED STRIP
CONCEALED BEHIND
GRAPHICS

REFER TO ESK-21

1 3/4 x 2 1/2" REVEAL
W/CONTINUOUS LED STRIP

BASE OF GRAPHICS TO
CONCEAL LIGHT STRIP



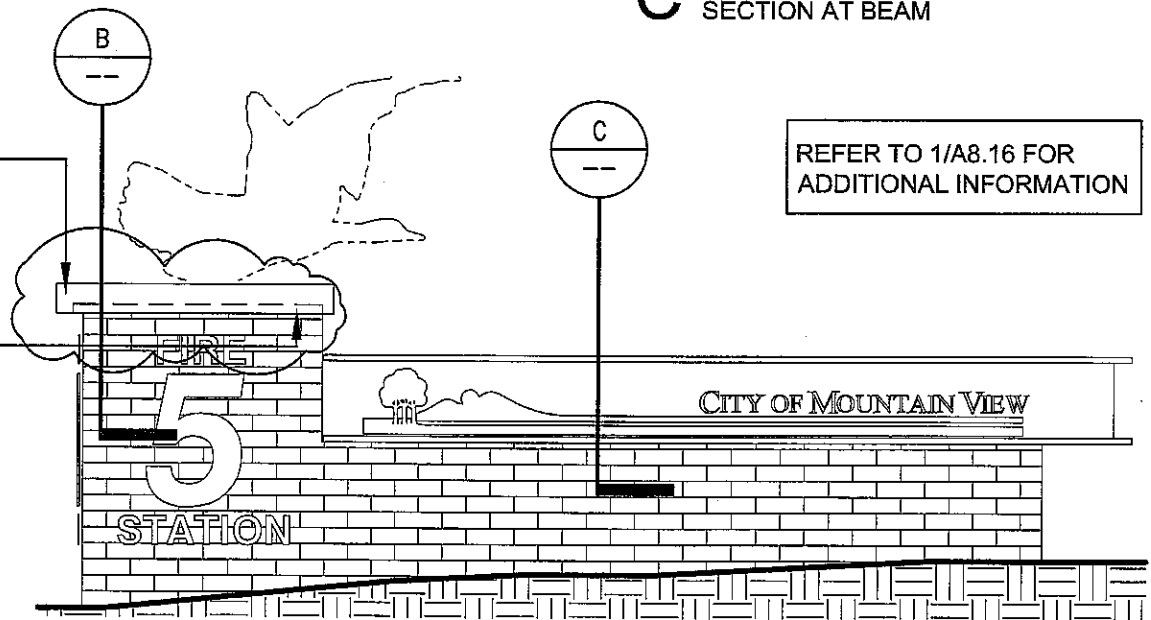
B SECTION AT ART

C SECTION AT BEAM

EXTENDED OVERHANG
ABOVE GRAPHICS

CONTINUOUS REVEAL
CLOSED AT ONE END

REFER TO 1/A8.16 FOR
ADDITIONAL INFORMATION



A MONUMENT SIGN ELEVATION A

BSA ARCHITECTS



Bull Stockwell Allen
A California Corporation
501 Folsom Street, Fourth Floor
San Francisco, CA 94105
415-281-4720

MOUNTAIN VIEW FIRE STATION No. 5

Title: MONUMENT REVISIONS
LIGHT FIXTURE DETAILS

Dwg. Ref.: A8.16

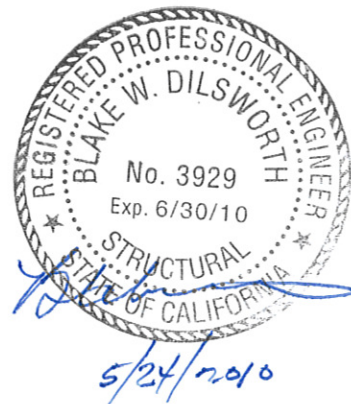
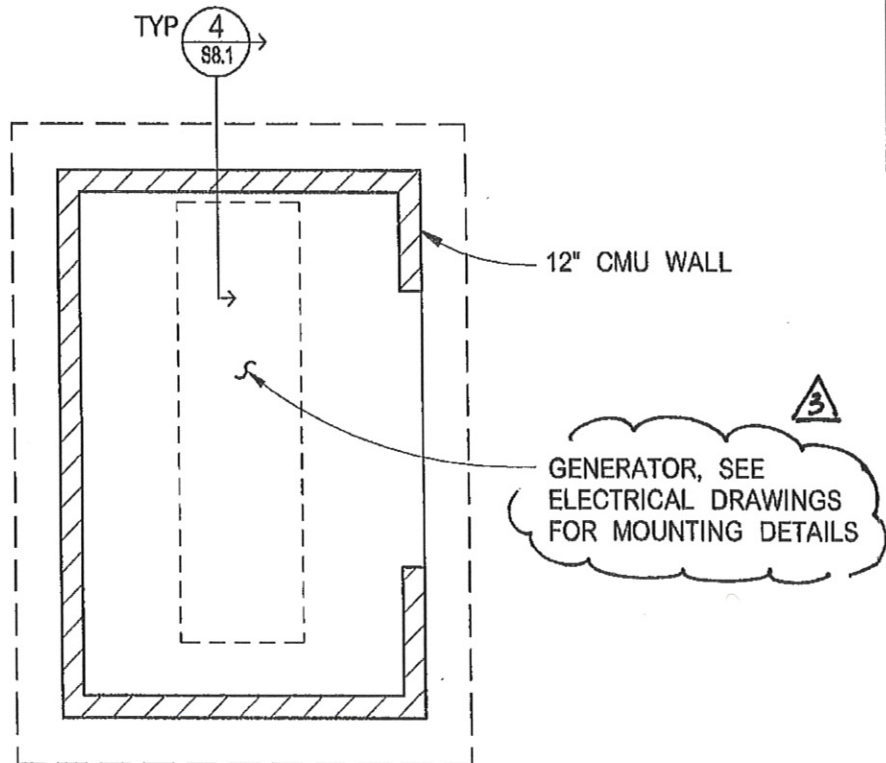
Job Number:

BSA 20808

Issued As: ADDENDUM 2

Sketch Number: ASK-4

Date: 5.23.10



GENERATOR ENCLOSURE

SCALE: 1/8" = 1'-0"		2
KPFF	K0000	

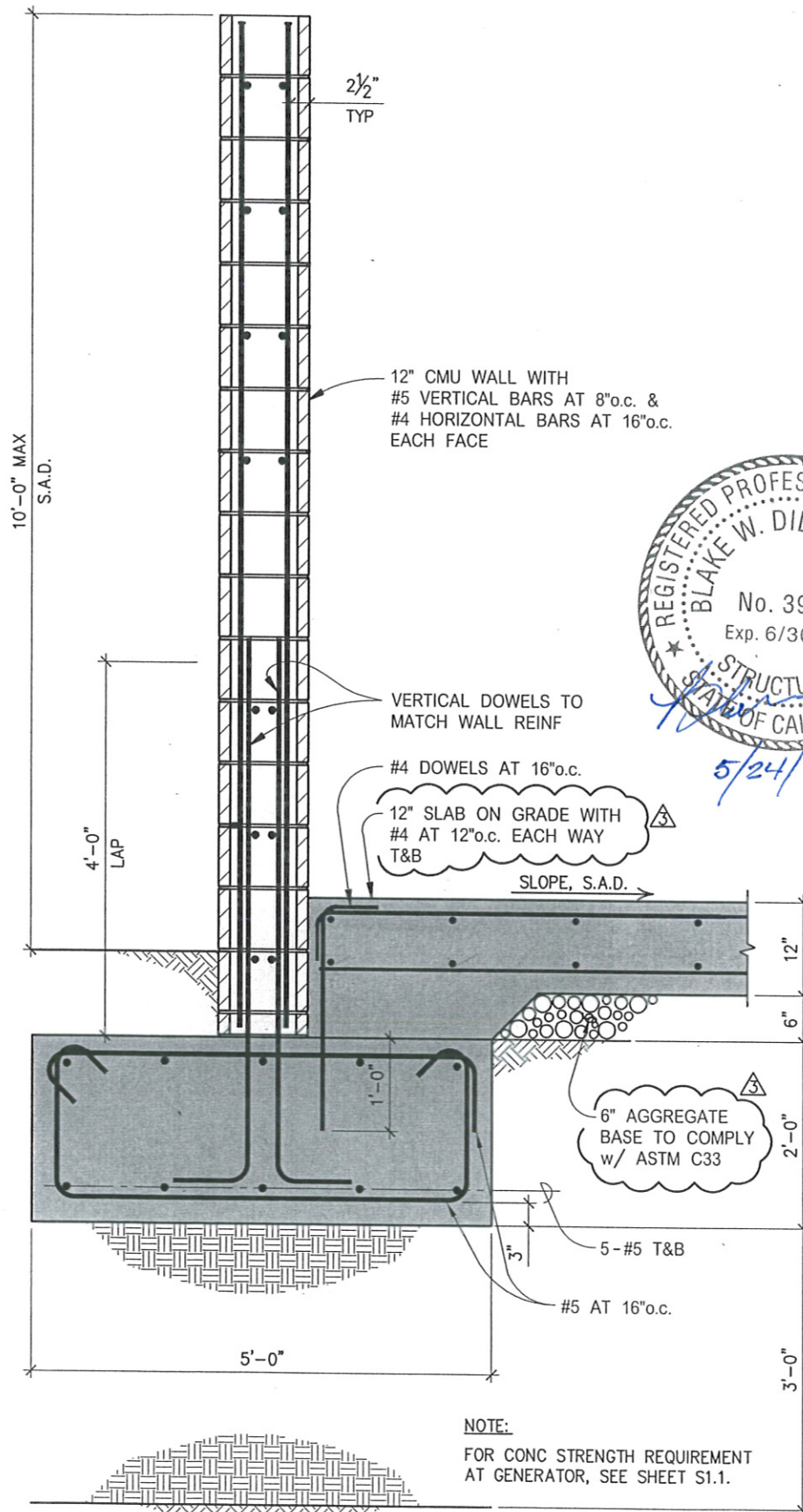
kpff
Consulting Engineers
221 Main Street, Suite 800
San Francisco, California 94105
T: 415.989.1004 F: 415.989.1552
www.kpff.com ltp.kpff-sf.com

MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
108190.00

Title: GENERATOR ENCLOSURE
Dwg. Ref.: 2/S8.1

Issued As:
Sketch Number: SSK -4
Date: 5/24/10



kpff

Consulting Engineers
221 Main Street, Suite 800
San Francisco, California 94105
T: 415.989.1004 F: 415.989.1552
www.kpff.com http.kpff-sf.com

MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
108190.00

Title: SECTION AT GENERATOR ENCLOSURE

Dwg. Ref.: 4/SB.1

Issued As:

Sketch Number: SSK-5

Date: 5/24/10



5/24/2014

CONCRETE WORK (continued).

Debris should be entirely removed from forms prior to concrete placement.

Horizontal construction joints shall be located as shown on the structural drawings, and the hardened concrete surfaces shall be cleaned by sand-blasting or other approved means to expose firmly embedded aggregates prior to pouring additional concrete in contact with these surfaces. Vertical construction joints through slabs shall be located only as shown on structural drawings.

Forms and shoring shall not be removed until the concrete has attained sufficient strength to withstand all loads to be imposed without excessive stress, creep, or deflection. See specifications for shoring requirements.

Concrete shall be ready mixed conforming to ASTM C94. Cement shall be Portland Cement Type II, conforming to ASTM C150. All hardrock (H.R.) concrete used in suspended slabs and slab on grade shall be designed for low shrinkage (L.S.) Acceptable coarse aggregates for low shrinkage concrete include Orcas, Kaiser Clayton, Granite Rock, Limestone, Sechelt, or Orcas aggregates. Fine aggregates acceptable for low shrinkage concrete include Orcas or Sechelt or Orcas sands. Alternate aggregates may be submitted provided they provide a concrete mix with a shrinkage limitation of 0.040% after 28 days of drying. Submit test data to Architect for review.

Use maximum size aggregate as noted below. use 3/8" maximum aggregate where necessary for proper placing, such as in thin or congested sections, etc. Superplasticizers may be used to improve workability in thin or congested sections. Incorporate superplasticizers into concrete mix designs.

Contractor shall submit for review of the Architect the concrete mixes proposed for use, designed by the concrete supplier and reviewed by an approved testing laboratory.

Concrete shall have the following characteristics:

Concrete Location	Max Aggregate	Strength at 28 Days (psi)	Min Slump ¹ (Inches)	Min Cement Content (Sacks)	Max Water Content ¹ (gals)	Max Water/Cement Ratio	Flyash Content Min,Max
Footings	1-1/2" HR	3000	3-1/2	5.0	36	0.60	20%,35%
Grade Beam	1" x #4 HR	3000	4	5.0	34	0.50	15%,25%
Slab on grade	1" x #4 HR-LS	3000	3-1/2	5.0	33	0.45	15%,25%
Fill on Metal Deck ..	3/4" LW	3000	3-1/2	5.0	32	0.45	15%,25%
Footing & Conc	1" x #4 HR-LS	4000	3-1/2	5.0	33	0.45	15%,25%
Mat at Generator							

¹ Slump shall be the minimum consistent with proper placing. Achieve slump with water reducing admixtures (ASTM A-494 Type A, F, or A/F) for desired workability.



221 Main Street, Suite 800
San Francisco, California 94105
T: 415.989.1004 F: 415.989.1552
www.kpff.com tlp.kpff-sf.com

MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
108190.00

Title:

GENERAL NOTES (concrete)

Dwg. Ref.:

S/I

Issued As:

Sketch Number:

SSK - 6

Date:

5/24/10

LUMINAIRE SCHEDULE

LA1 DESCRIPTION: SURFACE WALL MOUNTED LED UPLIGHT WITH RED, GREEN, AND BLUE COLOR MIXING ABILITY. POLYMER HOUSING WITH CLEAR LENS OVER LED ARRAY WITH HORIZONTAL SPREAD LENS. PROVIDE CONTROL SYSTEM FOR SYNCHRONIZED DIMMING AND COLOR SELECTION.

MANUFACTURER: PHILIPS COLORKINETICS #123-000009-08/106-000003-04/103-000019-00/120-000025-00

BALLAST: ELECTRONIC

LAMPS: (1) INCLUDED

WATTAGE: 50

VOLTAGE: 120

REMARKS: TOWER

LB1 DESCRIPTION: LINEAR LED STRIPLIGHT WITH WET LOCATION LISTING, CLEAR UV STABILIZED POLYCARBONATE TUBING AND WATER TIGHT ENDCAPS. 3500K LEDS ON 2" CENTERS WITH 120 DEGREE BEAM ANGLE. PROVIDE REMOTE 120/24VAC DRIVERS IN NEMA 3R ENCLOSURE AS INDICATED ON THE DRAWINGS. ORDER LED STRIPLIGHT LENGTHS AS INDICATED ON THE DRAWINGS. PROVIDE FEED LOCATIONS AS SHOWN WITH 6" JUMPER CABLES BETWEEN CONTINUOUS RUN STRIPS. PROVIDE TUBE MOUNTING CLIP EVERY 2' ON CENTER ALONG CONTINUOUS RUN STRIPS.

MANUFACTURER: COLOR GLO #LLS-CB-LENGTH-120-3500WW ES/EM

BALLAST: REMOTE 120V DRIVER

LAMPS: (1) INCLUDED

WATTAGE: 4

VOLTAGE: 120

REMARKS: SEE DRAWINGS FOR SINGLE OR MULTI UNIT ASSEMBLY REQUIREMENTS.



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MOUNTAIN VIEW FIRE STATION No. 5

Title: LUMINAIRE
SCHEDULE

Dwg. Ref.: E0.2

Job Number:
208067.001.05

Issued As: ADDENDUM 2
Sketch Number: ESK-05
Date: 05-21-10

NUMBERED SHEET NOTES

1 PROVIDE AND INSTALL FEEDERS AND CONTROL WIRING FROM GENERATOR TO THE AUTOMATIC SWITCH AND THE LOADBANK - SEE E5.1 & E5.5. IN ADDITION TO THE GENERATOR FEEDERS AND CONTROLS PROVIDE AND INSTALL TWO SPARE 1 $\frac{1}{4}$ " CONDUITS WITH PULLWIRE BETWEEN THE GENERATOR AND THE ATS.

2 PROVIDE AND INSTALL (2) 4" CONDUITS FOR PG&E PRIMARY SERVICE. COORDINATE WITH PG&E PRIOR TO COMMENCING WORK.

22 PROVIDE AND INSTALL WEATHERPROOF KEYED SWITCH FOR MONUMENT SIGN. CONNECT COMPLETE. ROUTE BRANCH CIRCUIT HOMERUN VIA LIGHTING CONTROL PANEL. VERIFY EXACT REQUIREMENTS WITH APPROVED VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN. SEE 5/E7.2

23 PROVIDE AND INSTALL 120V CIRCUIT FOR IRRIGATION CONTROLLER. CONNECT COMPLETE. VERIFY LOCATION AND REQUIREMENTS WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.

24 FOR REMOTE CONTROLLED VALVE. PROVIDE AND INSTALL TIMESWITCH (TORK #SSA-200, OR EQUAL) WITH METAL WALL PLATE, WALLBOX, AND NEMA 3R ENCLOSURE. CONNECT COMPLETE. VERIFY LOCATION AND REQUIREMENTS WITH CIVIL PRIOR TO ROUGH-IN. SEE C5.0.

25 PROVIDE AND INSTALL WEATHERPROOF TELE/DATA OUTLET AND JUNCTION BOX WITH TELE/DATA CABLE IN 1" CONDUIT TO TELE/DATA ROOM. VERIFY LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.

26 100W, TYPE ∇ HEAD.

27 FLAGPOLE DOWNLIGHTS MOUNTED TO TOP OF FLAGPOLE. MOUNT LED DRIVER IN PULLBOX - EAGLE MOUNTAIN #DLFLKTDLED

28 FOR AUTOMATIC FIRE SPRINKLER SYSTEM. PROVIDE AND INSTALL FIRE ALARM CABLES IN 1 INCH CONDUIT TO FIRE ALARM PANEL. CONNECT COMPLETE. VERIFY LOCATION WITH SYSTEM VENDOR PRIOR TO ROUGH-IN. SEE C5.0 & E5.3.

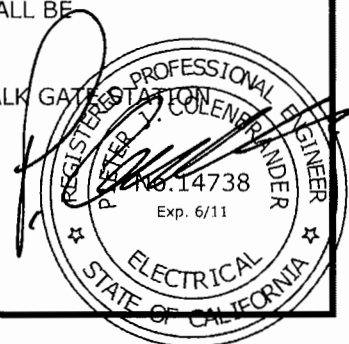
29 PROVIDE AND INSTALL (2) 1" CONDUITS TO ELECTRICAL ROOM 104 FOR EXTERIOR GATE AND PERSON DOOR INTERCOM AND CONTROLS.

30 GENERATOR FUEL TANK SHALL BE SEPARATED FROM PROPERTY LINES, BUILDINGS, PUBLIC WAYS AND OTHER TANKS PER CFC 7902.2-F (10FT. MINIMUM). SEISMIC PROTECTION FOR TANKS PROVIDED PER CFC 2703.2.8 AND 3404.2.9.2. TANK SPILL CONTAINERS SHALL BE NON-COMBUSTIBLE AND FIXED TO TANK PER MVCC 24.3.0 (U).

31 PROVIDE AND INSTALL (2) 1" CONDUITS TO ELECTRICAL ROOM 104 FOR WALK GATE INTERCOM AND CONTROLS.

32 FOR CONTINUATION SEE 1/E4.1.

33 FOR CONTINUATION SEE 2/E4.1.



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MOUNTAIN VIEW FIRE STATION No. 5

Title: SITE PLAN -

ELECTRICAL

Dwg. Ref.: E1.1

Job Number:

208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-06

Date: 05-21-10

The diagram is a detailed electrical schematic. At the top center is a circular professional engineer's seal for Peter J. Colenbrander, No. 147738, State of California, expiring 6/11. The schematic includes several key components and annotations:

- PG&E PAD MOUNT TRANSFORMER**: Indicated by a 'T' symbol in a square box.
- LOADBANK AT FUTURE PV SYSTEM EQUIPT.**: A cloud-shaped annotation pointing to a specific area, with a reference to "SEE 1/E4.1 FOR EXACT LOCATION".
- STUB-UP ON WALL AT PV AREA**: Points to a vertical line segment labeled '4'.
- ATS**: Automatic Transfer Switch, indicated by a small square symbol.
- MAIN ELECTRICAL EQUIPMENT YARD - SEE 1/E4.1**: Points to a large rectangular area containing various electrical symbols.
- MAIN SWITCHBOARD 'MSB'**: Labeled as "SEE 1/E4.1 & 1/E5.1", pointing to a specific piece of equipment within the main yard.
- (2) 4" C. FOR FUTURE BLDG. MOUNTED PV SYSTEM**: Points to two parallel vertical lines representing conduits.
- MONOPOLE LOCATION**: Points to a vertical line at the bottom right of the main equipment area.
- Other Callouts**: Various numbered circles (e.g., 1, 2, 3, 4, 6, 12, 14, 18, 19, 26, 32) and letters (Sj, Sc, Ma, FP1) are scattered throughout the diagram, identifying specific points or areas.
- Annotations**: Text such as "4\" CONDUIT STUB-OUT OR FUTURE USE" and "MA2" are present.

SCALE: 1" = 20'-0"
FILE: ... L-BASE (12.16.09) + MVFS_LVL1 (04.06.10)



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Title: SITE PLAN -
ELECTRICAL

Dwg. Ref.: E1.1

MOUNTAIN VIEW FIRE STATION No. 5

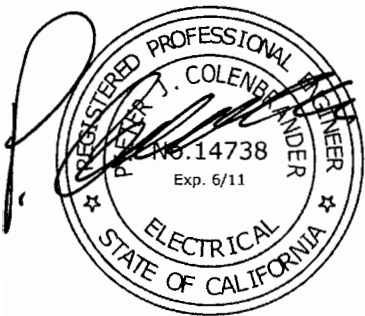
Job Number:

208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-07

Date: 05-21-10



(E) TELEPHONE SERVICE
PULLBOX

30 EMERGENCY GENERATOR -
SEE 2/E4.1 & 1/E5.1

GENERATOR AREA -
SEE 2/E4.1

ULEVARD

18
MA2

MA3

(1) 4" CONDUIT ST
FOR FUTURE USE -

18 MA2

5

Sc 12

Sh 12

26

FP1 19

33

16

24

18 MA2

D-58

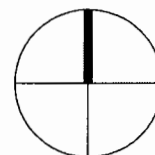
SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"

FILE: ... L-BASE (12.16.09) + MVFS_LVL1 (04.06.10)

1
E1.1

REF. NORTH



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MOUNTAIN VIEW FIRE STATION No. 5

Job Number:

208067.001.05

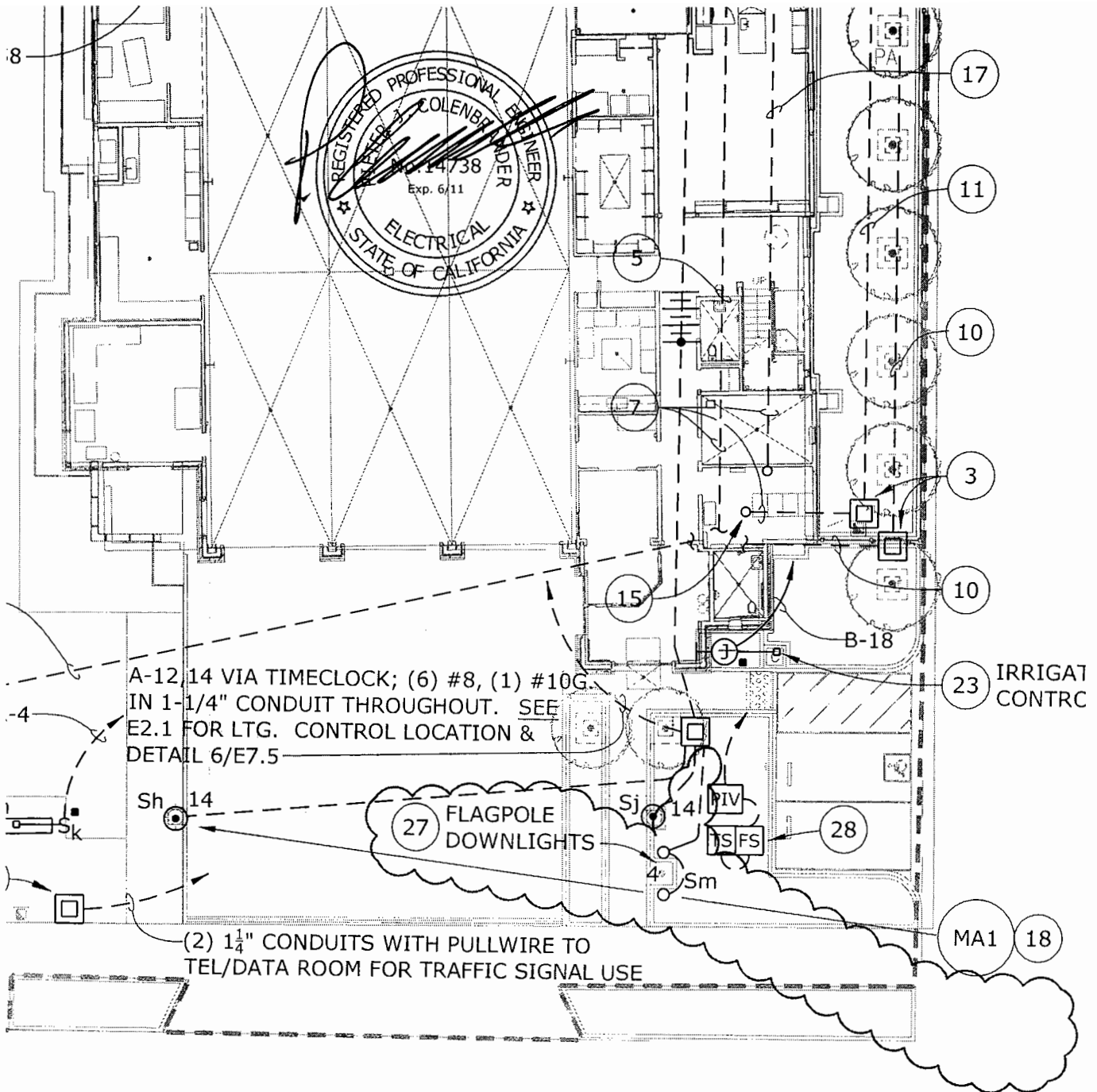
Title: SITE PLAN -
ELECTRICAL

Dwg. Ref.: E1.1

Issued As: ADDENDUM 2

Sketch Number: ESK-08

Date: 05-21-10

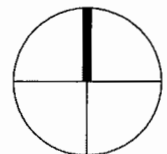


SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"
 FILE: ... L-BASE (12.16.09) + MVFS_LVL1 (04.06.10)

1
 E1.1

REF. NORTH



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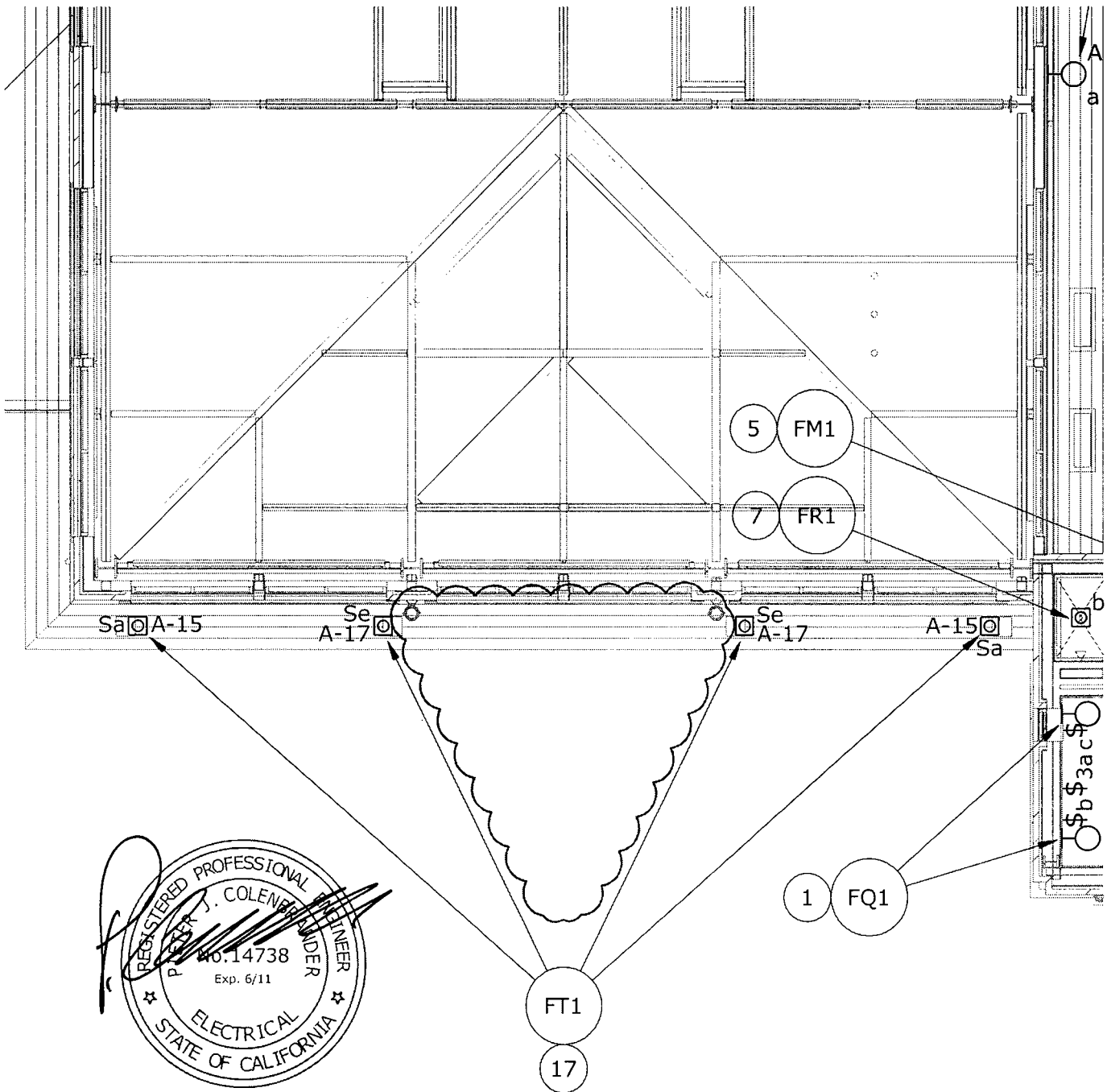
MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
 208067.001.05

Title: SITE PLAN -
ELECTRICAL

Dwg. Ref.: E1.1

Issued As: ADDENDUM 2
 Sketch Number: ESK-09
 Date: 05-21-10



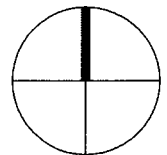
SECOND FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

FILE: ... 100405_MVFS_LVL2 + ... MVFS_RCP_LVL2 (04.06.10)

1
E2.2

REF. NORTH



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MOUNTAIN VIEW FIRE STATION No. 5

Title: SECOND FLOOR -
LIGHTING

Dwg. Ref.: E2.2

Job Number:

208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-10

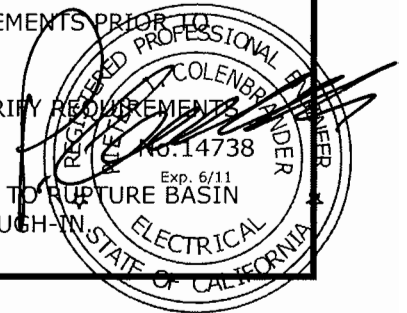
Date: 05-21-10

NUMBERED SHEET NOTES

- 1 HOUSEKEEPING PAD TO EXTEND 4 FEET IN FRONT OF METERING SECTION OF MAIN SWITCHBOARD PER PG&E REQUIREMENTS, SEE 5/E7.1.
- 2 HOUSEKEEPING PAD.
- 3 COORDINATE LOCATION WITH PG&E PRIOR TO ROUGH-IN.
- 4 THIS SPACE IS TO BE RESERVED FOR THE FUTURE PV SYSTEM INPUT DISCONNECT. IT MUST BE LOCATED WITHIN 10 FEET OF THE PG&E METER.
- 5 SEE STRUCTURAL DRAWINGS FOR SLAB/FOUNDATION UNDER GENERATOR. SEE 2/E7.2 FOR MOUNTING DETAIL.
- 6 NOT USED.
- 7 PROVIDE AND INSTALL TELEPHONE OUTLET WITH ONE CAT-6 CABLE IN 1" CONDUIT HOMERUN TO TEL/DATA ROOM FOR PG&E REMOTE METERING. COORDINATE WITH PG&E.
- 8 PROVIDE AND INSTALL 1" CONDUIT WITH PULL WIRE TO TEL/DATA ROOM FOR FUTURE PV SYSTEM USE.

NUMBERED SHEET NOTES

- 9 FOR AIR SAMPLING EQUIPMENT, CONNECT COMPLETE. VERIFY LOCATION WITH ARCHITECT & REQUIREMENTS WITH VENDOR APPROVED SHOP DRAWINGS.
- 10 EMERGENCY GENERATOR FEEDERS TO AUTOMATIC TRANSFER SWITCH AND LOAD BANK IN EQUIPMENT YARD. SEE 1/E4.1 & SINGLE LINE DIAGRAM 1/E5.1.
- 11 EMERGENCY GENERATOR CONTROLS TO LOAD BANK, SEE 1/E5.5.
- 12 EMERGENCY GENERATOR. CONNECT COMPLETE. VERIFY EXACT EQUIPMENT REQUIREMENTS AND EXACT LOCATIONS OF ALL CONDUIT STUB-UPS AT GENERATOR WITH GENERATOR SHOP DRAWINGS. SEE 1/E5.1.
- 13 FOR GENERATOR BATTERY CHARGER. CONNECT COMPLETE. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- 14 FOR GENERATOR ENGINE JACKET WATER HEATER. CONNECT COMPLETE. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- 15 FOR RUPTURE BASIN ALARM. PROVIDE AND INSTALL 5 #14 IN 3/4" CONDUIT TO RUPTURE BASIN ALARM PANEL. CONNECT COMPLETE. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.



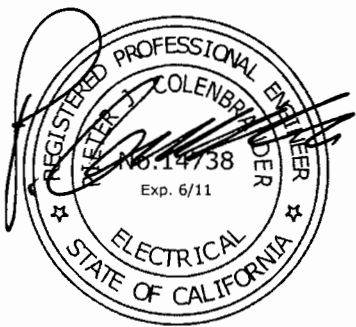
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MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
208067.001.05

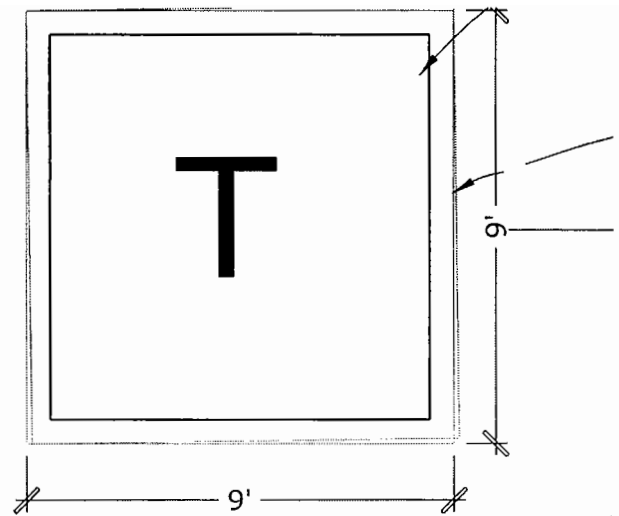
Title: PARTIAL PLANS -
NUMBERED SHEET NOTES
Dwg. Ref.: E4.1

Issued As: ADDENDUM 2
Sketch Number: ESK-11
Date: 05-21-10



GFI
C-2

FOR GENERATOR & MAIN SWITCHBOARD
EQUIPMENT YARDS SPACE IS OF THE ESSENCE
- EQUIPMENT SHALL NOT EXCEED SCALED
DIMENSIONS INDICATED.



FOR AIR MONITOR
+7'-0" A.F.F.

9

GFI

C-2

J

C-4

20

96" MIN.

30" MIN

EXHAUST
AIR

GENERATOR
LOAD
BANK

7

PROVIDE
HOUSEKEEPING PAD -
SEE 5/E7.1

MAIN SWITCHBOARD
'MSB' SEE 1/E5.1

EXTEND PAD 48" IN
FRONT OF METERING
SECTION

20

(2) 4" C. FOR FUTURE PV SYSTEM, SEE
E5.1, STUB UP IN MAIN BREAKER
SECTION NOT PG&E PULL STATION

GFI
C-2

1



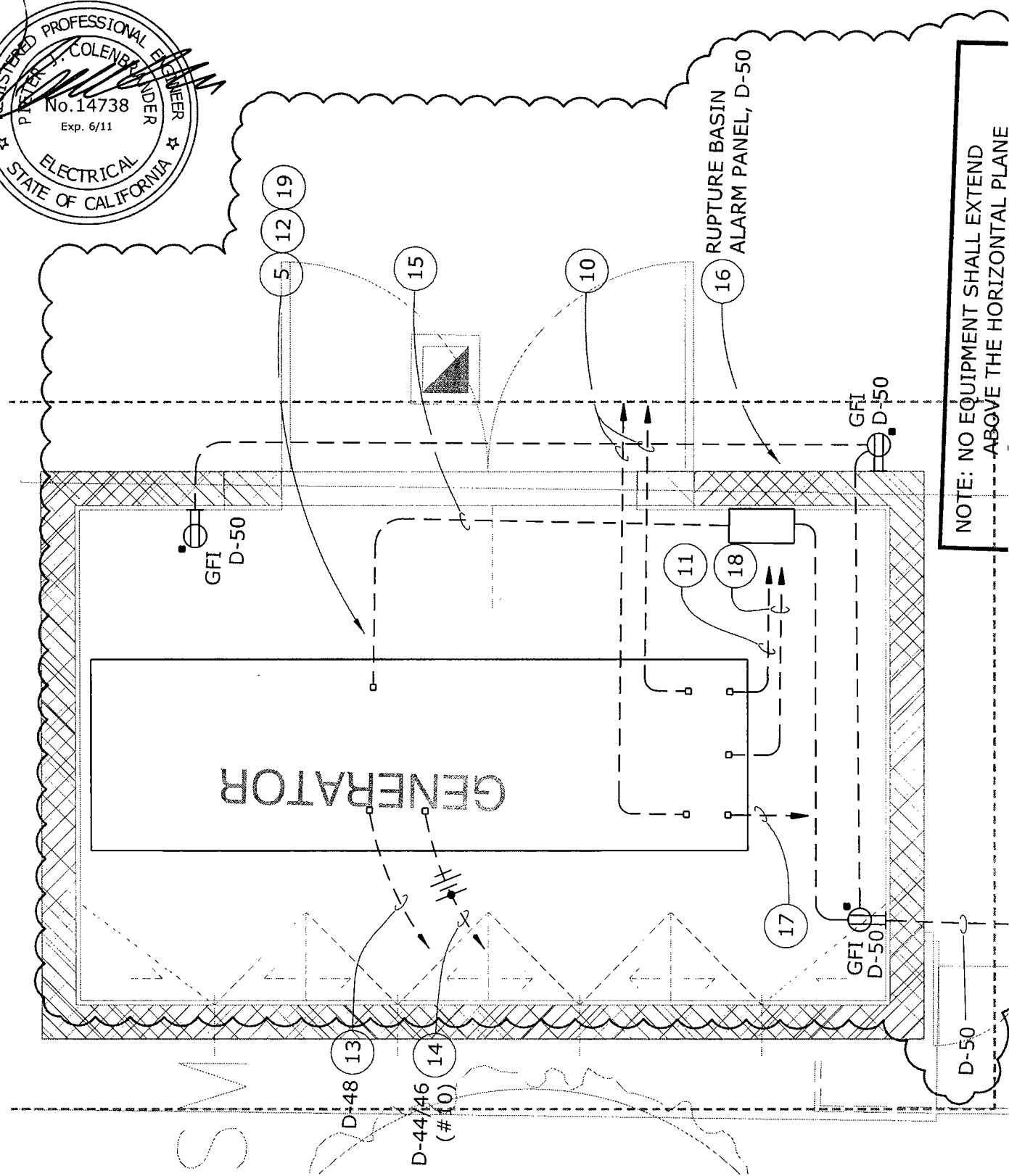
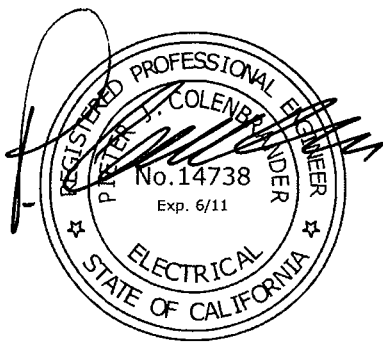
MOUNTAIN VIEW FIRE STATION No. 5

Job Number:
208067.001.05

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Title: PARTIAL PLANS -
DETAIL 1/E4.1
Dwg. Ref.: E4.1

Issued As: ADDENDUM 2
Sketch Number: ESK-12
Date: 05-21-10



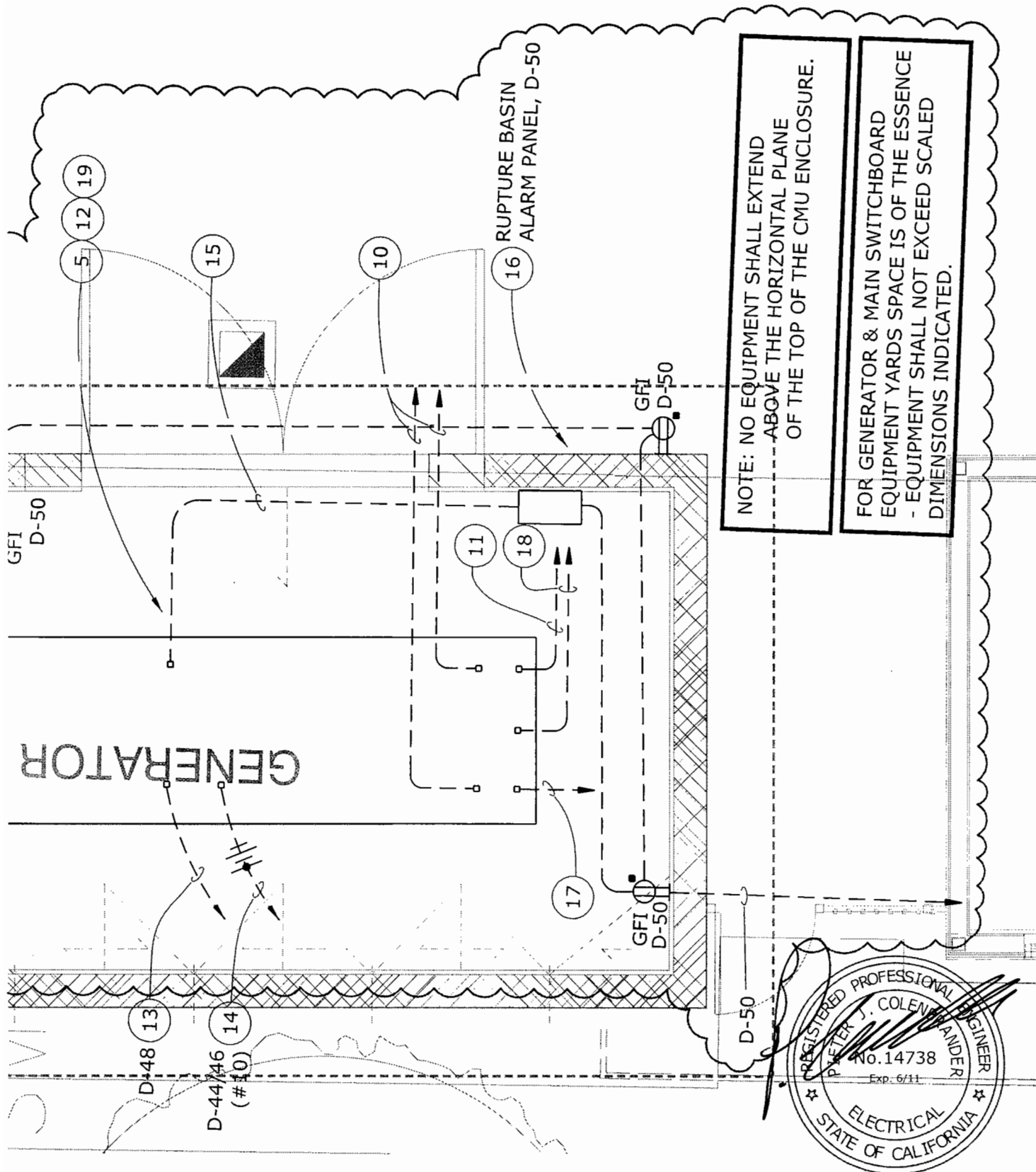
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MOUNTAIN VIEW FIRE STATION No. 5

Title: PARTIAL PLANS -
DETAIL 2/E4.1
Dwg. Ref.: E4.1

Job Number:
208067.001.05

Issued As: ADDENDUM 2
Sketch Number: ESK-14
Date: 05-21-10



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MOUNTAIN VIEW FIRE STATION No. 5

Title: PARTIAL PLANS -

DETAIL 2/E4.1

Dwg. Ref.: E4.1

Job Number:

208067.001.05

Issued As:

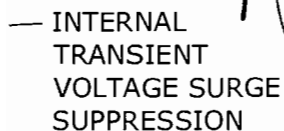
ADDENDUM 2

Sketch Number:

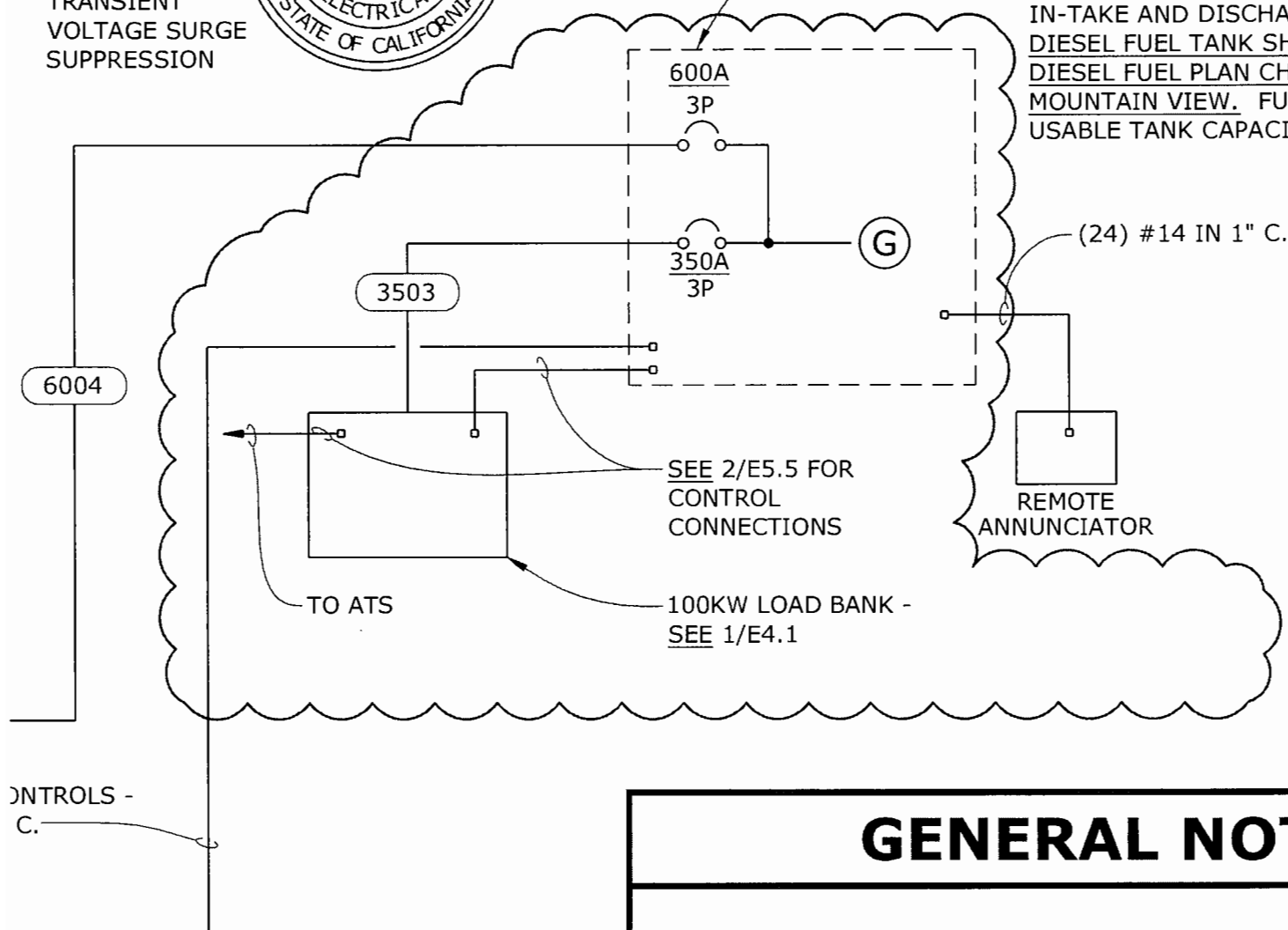
ESK-15

Date:

05-21-10



FIRE STATION EMERGENCY
125KW, 72 HOURS FUEL
4W, IN A WEATHERPROOF
ENCLOSURE. PROVIDE G
STANDARD DEFLECTORS
IN-TAKE AND DISCHARGE
DIESEL FUEL TANK SHOP
DIESEL FUEL PLAN CHECK
MOUNTAIN VIEW. FUEL
USABLE TANK CAPACITY.



GENERAL NOTI

- A. PER CEC 110.06 PROVIDE AND INSTALL ELECTRIC /
SIGNS ON ALL SWITCHBOARDS, PANELBOARDS, CC
METER SOCKET ENCLOSURES, AND MOTOR CONTRC
- B. ALL PANEL BOARDS SHALL BE HINGED WITH DOOR
CONSTRUCTION.

SINGLE LINE DIAGRAM

SCALE: NONE

1

E5.1



MOUNTAIN VIEW FIRE STATION No. 5

Title: SINGLE LINE DIAGRAM

Dwg. Ref.: E5.1

Job Number:

208067.001,05

Issued As: ADDENDUM 2

Sketch Number: ESK-16

Date: 05-21-10

LOAD BANK SPECIFICATIONS

- A. THE LOAD BANK SHALL BE 100KW 208V 3PH, 60HZ, 1.0PF, WITH A FIELD CONFIGURABLE DIGITAL PROCESSOR CONTROLLER FOR AUTOMATIC STARTING AND LOADING OF THE GENERATOR.
- B. THE SUBMITTALS SHALL CONTAIN DRAWINGS AND DATA DETAILING THE FOLLOWING: PHYSICAL DATA OF THE LOAD AND CONTROL ENCLOSURES, INCLUDING BUT NOT LIMITED TO - DIMENSIONS, WEIGHTS, CABLE ACCESS, MOUNTING, OPERATING CLEARANCES, AND DETAILS OF THE COMPONENT ARRANGEMENTS; WIRING DIAGRAMS OF THE POWER AND CONTROL CIRCUITS, INCLUDING BUT NOT LIMITED TO - POINT-TO-POINT WIRING, WIRE NUMBERS, CONNECTION POINT IDENTIFICATION, COMPONENTS LABELED BY THE DEVICE LEGEND.
- C. THE MANUFACTURER SHALL WARRANT THE EQUIPMENT AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SHIPMENT. THE LOAD RESISTORS AND ELECTRONIC COMPONENTS SHALL HAVE AN EXTENDED WARRANTY PERIOD OF THREE (3) YEARS.
- D. THE LOAD BANK SHALL BE MANUFACTURED BY LOAD TECHNOLOGY, OR APPROVED EQUAL.
- E. THE LOAD BANK SHALL HAVE FIELD CONFIGURABLE CAPABILITY TO PROVIDE AUTOMATIC LOADING, AUTOMATIC EXERCISE, REGENERATIVE CONTROL, BASE LOADING AND MANUAL LOADING CAPABILITY.
- F. THE LOAD BANK SHALL CONSIST OF TWO (2) ITEMS:
 - 1. THE LOAD ENCLOSURE CONTAINING THE LOAD RESISTORS, COOLING FAN, AND POWER CONTROL DEVICES.
 - 2. A CONTROL PANEL WITH THE PILOT CONTROLS AND INDICATORS SHALL BE REMOTE WALL MOUNTED.
- G. LOAD STEPS: 10 KW LOAD ADJUSTMENT
- H. DUTY CYCLE: CONTINUOUS AT RATED AMBIENT
- I. AMBIENT:
 - 1. TEMPERATURE: -20F./-30C. TO 120F./50C.
 - 2. ALTITUDE: 4000 FT. / 1200 M.
 - 3. RELATIVE HUMIDITY: 0 TO 100 %
- J. TOLERANCES: 5% NOMINAL, 2% BALANCE
- K. LOAD ENCLOSURE
 - 1. THE ENCLOSURE SHALL BE NEMA 3R RATED AND SUITABLE FOR OUTDOOR INSTALLATION WITH BOLT DOWN PROVISIONS FOR PERMANENT MOUNTING TO A CONCRETE PAD OR SUPPORT STRUCTURE.
 - 2. THE ENCLOSURE SHALL BE FABRICATED OF ELECTROPLATED GALVANIZED STEEL. THE INTAKE AND EXHAUST LOUVERS SHALL BE FABRICATED OF STAINLESS STEEL.
- L. CONTROL PANEL
 - 1. THE CONTROL PANEL ENCLOSURE SHALL BE NEMA 3R RATED AND SUITABLE FOR OUTDOOR WALL MOUNTING.
 - 2. THE LOAD BANK CONTROL SHALL BE A DIGITAL SYSTEM WITH A DUAL PROCESSOR CONTROLLER INCORPORATING BOTH METERING AND CONTROL IN A SINGLE INTEGRATED SYSTEM.
- E. THE CONTROL SYSTEM SHALL CONTAIN THE FOLLOWING PROGRAMMABLE OPERATIONAL FUNCTIONS AND FEATURES:
 - 1. MANUAL LOAD STEP CONTROL
 - 2. AUTOMATIC EXERCISE OPERATION (INTERNAL CLOCK)
 - A) THIS FUNCTION SHALL PROVIDE AN INTERNALLY INITIATED SCHEDULED EXERCISE WITH LOAD. THE FUNCTION SHALL BE CAPABLE OF BEING SET BY DAY INTERVAL WITH CAPABILITY TO SET SPECIFIC DAY OF THE WEEK AS WELL AS TIME OF DAY.
 - B) PROVIDE WITH THE FOLLOWING ADJUSTABLE PARAMETERS:
 - 1) ENABLE / DISABLE FUNCTION
 - 2) REAL TIME CLOCK WITH TIME OF DAY, DAY, MONTH AND YEAR SETTINGS
 - 3) SET TIME OF DAY FOR EXERCISE INITIATION
 - 4) SET EXERCISE DAY INTERVAL AND DAY OF WEEK FOR EXERCISE INITIATION
 - 5) SET TIME TO GENERATOR CONNECTION AFTER START SIGNAL IS INITIATED
 - 6) AN EXERCISE SEQUENCE TO SET LOAD LEVEL AND LOADING PERIOD.
 - 3. EXERCISE MONITORING AND ALARM CIRCUITRY: THIS FUNCTION SHALL PROVIDE GENERATOR MONITORING OF THE VOLTAGE AND FREQUENCY DURING THE AUTOMATICALLY INITIATED EXERCISE. IT SHALL MONITOR AND ALARM FOR UNDER AND OVER VOLTAGE AND FREQUENCY.
- M. INSTALLATION: INSTALL THE LOAD ENCLOSURE AND CONTROL PANELS IN ACCORDANCE WITH THE MANUFACTURER'S DRAWINGS AND INSTRUCTIONS.
 - 1. THE LOAD BANK SYSTEM SHALL BE ADJUSTED AND INSPECTED IN ACCORDANCE WITH THE MANUFACTURER'S INITIAL OPERATION INSTRUCTIONS.
 - 2. THE ENTIRE SYSTEM SHALL BE OPERATED TO DEMONSTRATE THE FUNCTION OF EACH CONTROL PANEL AND THE ACCURACY OF THE APPLIED LOAD.
 - 3. EACH FAILURE SENSOR SHALL BE OPERATED TO DEMONSTRATE THE OPERATION OF THE SAFETY SYSTEM.
 - 4. ENTIRE SYSTEM SHALL BE OPERATED AND TESTED IN CONJUNCTION WITH THE GENERATOR AND AUTOMATIC TRANSFER SWITCH TESTING AND ACCEPTANCE PROCEDURES. RUN LOAD BANK FOR A MINIMUM OF 2 HOURS ON GENERATOR. PROVIDE TEST REPORT.
 - 5. PROVIDE 3 SETS OF OPERATION AND MAINTENANCE MANUALS.



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MOUNTAIN VIEW FIRE STATION No. 5

Title: ELECTRICAL RISER DIAGRAM

Dwg. Ref.: E5.5

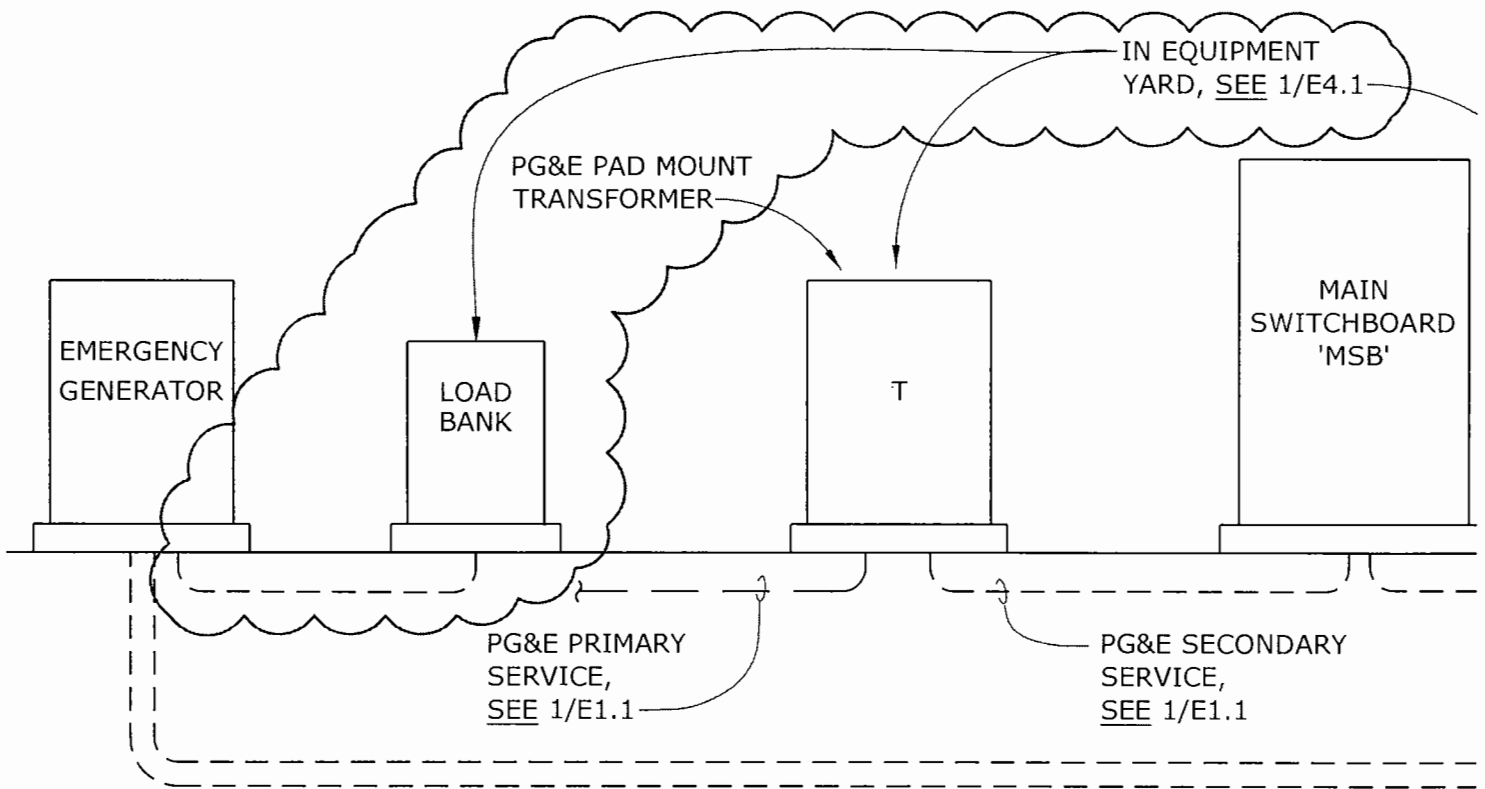
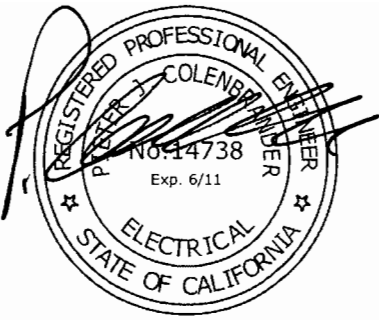
Job Number:

208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-17

Date: 05-21-10



ELECTRICAL RISER DIAGRAM

SCALE: NONE

1
E5.5



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MOUNTAIN VIEW FIRE STATION No. 5

Title: ELECTRICAL RISER DIAGRAM

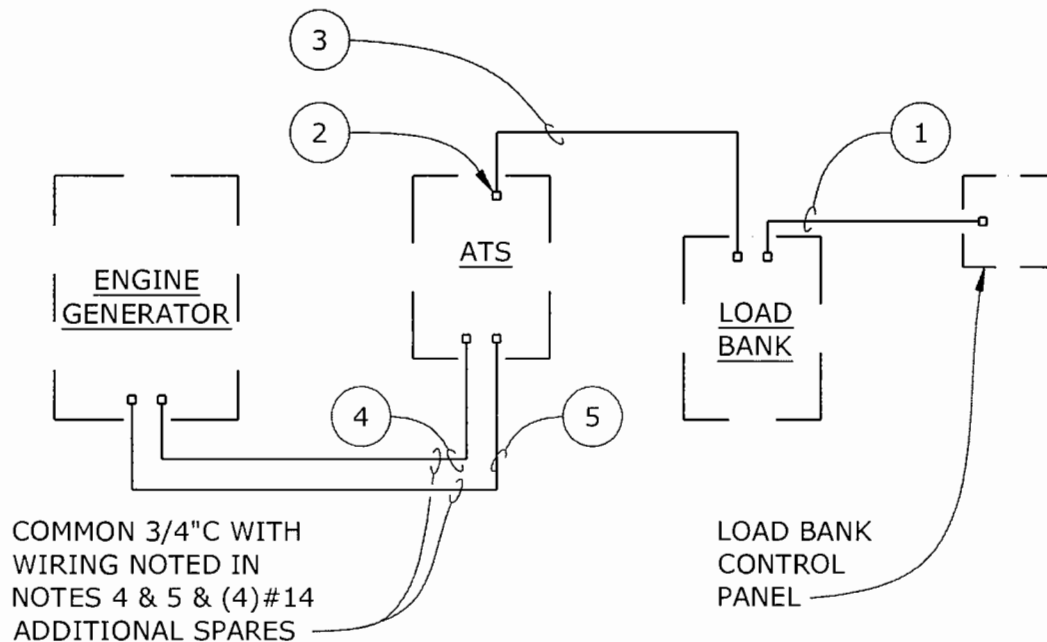
Dwg. Ref.: E5.5

Job Number:
208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-18

Date: 05-21-10

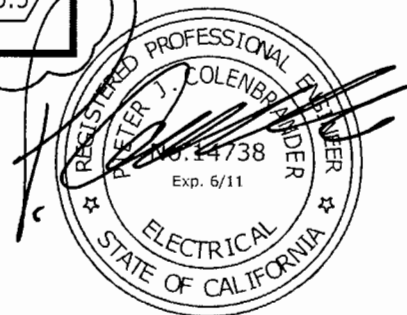


- 1 1-CATEGORY 5 CABLE IN 3/4"C WITH RJ45 CONNECTORS EACH END;
RJ45 CONNECTOR PINS CONFIGURED PER MANUFACTURER'S
REQUIREMENTS.
- 2 AUXILIARY ATS CONTACTS - OPEN WHEN ATS IS IN "EMERGENCY"
POSITION; CLOSED WHEN IN "NORMAL".
- 3 (4)#14 IN 3/4"C.
- 4 (2)#14 TO GENERATOR CONTROL PANEL FOR AUTO-EXERCISE OF
GENERATOR.
- 5 2#14 TO ENGINE STARTING BATTERY FOR 24V D.C PROCESSOR POWER.

LOAD BANK CONTROL INTERCONNECTION DIAGRAM

SCALE: NONE

2
E5.5



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SAN RAFAEL, CALIFORNIA 94903
(415) 492-0420 / FAX (415) 479-9662
www.ommconsulting.com

MOUNTAIN VIEW FIRE STATION No. 5

Title: ELECTRICAL RISER DIAGRAM

Dwg. Ref.: E5.5

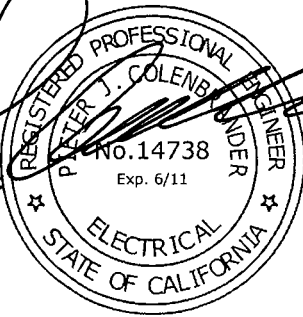
Job Number:

208067.001.05

Issued As: ADDENDUM 2

Sketch Number: ESK-19

Date: 05-21-10



INSTALLATION SHALL BE
CBC 2007 COMPLIANT

BASE TANK
MOUNTING FRAME

WASHERS SERIES W OF AMERICAN
NATIONAL STANDARD TYPE A,
ANSI B18.22.1-1965, R1975

GENERATOR
YARD SLAB

BOLT TO SLAB PER GENERATOR MANUFACTURER'S
INSTRUCTIONS - BOLT DIAMETER 3/4" MIN.,
WITH 6" MIN. EMBEDMENT, TYPE J OR L, BOLT
MATERIAL TENSILE STRENGTH 60,000 PSI, ASTM
A 307; INSTALL IN ALL LOCATIONS INDICATED BY
CBC 2007 CERTIFICATION REPORT & TO THE
TORQUE SPECIFICATION RECOMMENDED BY
ANCHOR MANUFACTURER

SLAB THICKNESS SHALL BE 1.5
TIMES THE ANCHOR EMBEDMENT
DEPTH AND SHALL EXTEND
MINIMUM 12" BEYOND THE TANK
MOUNTING FRAME ON ALL SIDES

GENERATOR MOUNTING

SCALE: NONE
FILE: L:\DETAILS\POWER\PPADS\PPADS030

2
E7.2



O'MAHONY & MYER
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MOUNTAIN VIEW FIRE STATION No. 5

Title: DETAILS

Dwg. Ref.: E7.2

Job Number:

208067.001.05

Issued As:

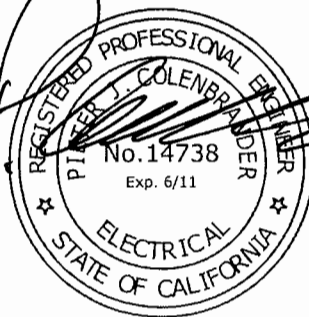
ADDENDUM 2

Sketch Number:

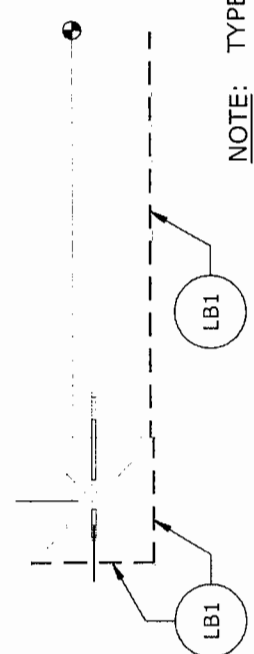
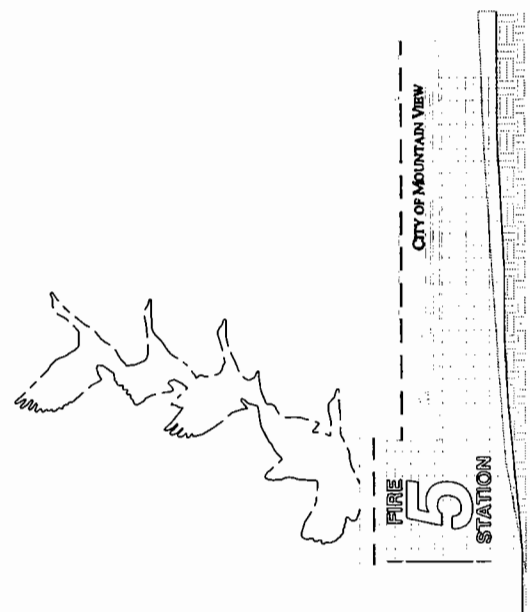
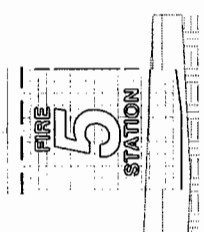
ESK-20

Date:

05-21-10



DATE: 05-21-10 BY: PJC



NOTE: TYPE LB1 CONCEALED STRIPLIGHT MOUNTED IN ARCHITECTURAL CHANNEL. CONNECT COMPLETE TO REMOTE TRANSFORMER. VERIFY LOCATION PRIOR TO ROUGH-IN.

3
E7.2

MONUMENT SITE LIGHTING

SCALE: NONE
FILE:



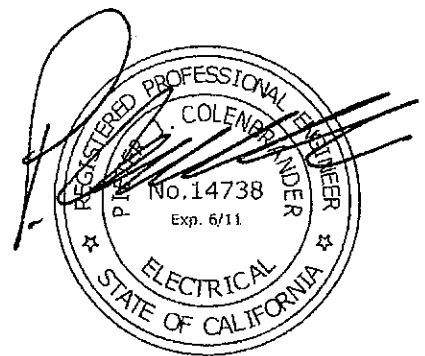
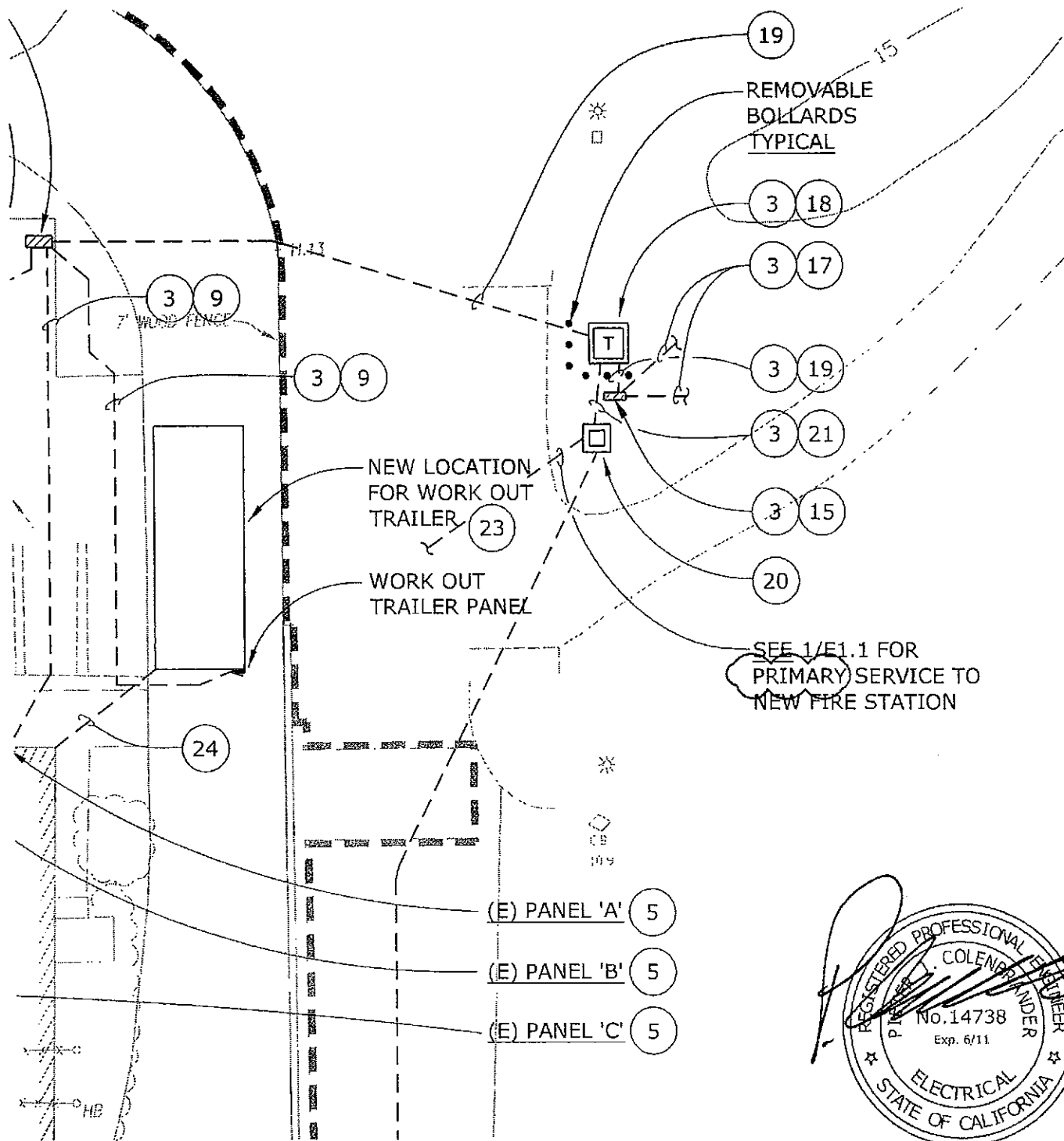
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MOUNTAIN VIEW FIRE STATION No. 5

Title: DETAILS
Dwg. Ref.: E7.2

Job Number:
208067.001.05

Issued As: ADDENDUM 2
Sketch Number: ESK-21
Date: 05-21-10

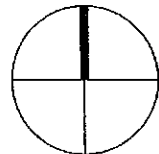


ELECTRICAL SITE PLAN - DEMOLITION & RELOCATION

SCALE: 1" = 20'-0"

FILE: ... \demo\FIRESTA5TOPO + FS5AERIAL + FS5PRDEMO (06.04.09)

REF. NORTH



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MOUNTAIN VIEW FIRE STATION No. 5

Job Number:

208067.001.05

Title: SITE PLAN - DEMO/RELOCATION

ELECTRICAL

Dwg. Ref.: E1.2

Issued As: ADDENDUM 2

Sketch Number: ESK-2.2

Date: 05-21-10

SECTION 08 36 13

SECTIONAL DOORS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Electrically operated aluminum sectional overhead door.
- B. Drawings and general provisions of the Contract, including City of Mountain View General and Special Provisions and Division 1 Specification Sections, apply to this Section. If there is a conflict between City of Mountain View General and Special Provisions and Division 1, the City of Mountain View General and Special Provisions shall govern.
- *A2 C. Related Section
 - 1. Section 08 71 00 - Door Hardware: Furnishing of finish hardware.*A2

1.02 REFERENCES

- A. ASTM - American Society for Testing and Materials
 - *A2 1. E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- B. NFRC - National Fenestration Rating Council*^{A2}

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements
 - *A2 1. Design and reinforce sectional overhead door to withstand a 20 psf wind loading pressure.
 - 2. NFRC Air Infiltration: .006 cfm/ft² on installed assembly, in accordance with ASTM E283.*^{A2}

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, roughing-in diagrams, and installation instructions for overhead door. Include manufacturer's operating instructions and maintenance data.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: BP Glass Garage Doors & Entry Doors, "Model BP-450 HD, Insulated Line", or equal.

2.02 DOOR COMPONENTS

- A. Aluminum Type: Fully insulated panels and frames; auxiliary stiffening bar at bottom section for doors 20-feet and over, or exceeding 850 pounds.
 - 1. Depth of Door Section: 1-3/4 inches.
 - 2. Depth of Panel: 1/2-inch.
 - 3. Finish: Custom Kynar paint finish; color as selected by the Architect.

4.13.10 BID SET

*A2 Addendum No. 2, dated 5.24.10

BSA 20808

SECTIONAL DOORS

08 36 13 - 1

- B. Glass Type: 1/2-inch thick, insulated, tempered, transparent glazing unit with Argon gas.
 - 1. Outer Lite: 1/8-inch thick, tempered, clear, Low-E Solarban 70 XL.
 - 2. Inner Lite: 1/8-inch thick, tempered, clear float glass.
- C. Track Type: 3-inch H.D. high lift manual.
- D. Hardware: H. D. stainless steel hinges, H. D. rollers (sealed for life), high cycle galvanized springs (up to 0.375 wire).
- E. Operator: Lift Master Model J; 1 hp/Jackshaft Side Mount Commercial Operator with 1 push button station, safety photo sensors, radio receiver, and 3 remotes.
 - 1. Provide auxiliary contacts for interface of sectional doors and mechanical equipment.
 - 2. Provide connection to central control switchbank.
 - 3. Automatic Reversing Control: Furnish door with wireless, automatic safety switch, extending full width of door bottom, and located within neoprene or rubber astragal mounted to bottom door rail. Contact with switch will immediately reverse downward door travel. Furnish manufacturer's standard take-up reel or self-coiling cable.
- F. Weatherstripping: 2-part aluminum with 1-part santoprene or brush gasket, light gray.^{*A2}

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General: Install door, track, and operating equipment complete with necessary hardware, jamb and head mold stops, anchors, inserts, hangers, and equipment supports according to shop drawings, manufacturer's instructions, and as specified.
 - ^{*A2} 1. Doors shall be installed by manufacturer's personnel.
 - 2. Seal all openings with Polyseal for doors up to 16-feet high.^{A2}
- B. Fasten vertical track assembly to framing at not less than 24 inches on center. Hang horizontal track from structural overhead framing with angle or channel hangers, welded and bolt-fastened in place. Provide sway bracing, diagonal bracing, and reinforcing as required for rigid installation of track and door-operating equipment.
- C. After completing installation, including work by other trades, lubricate, test, and adjust doors to operate easily, free from warp, twist, or distortion and fitting weathertight for entire perimeter.

END OF SECTION